resonating one of said flow tubes with another of said flow tubes at mutually opposite phases, and a pair of oscillation sensors installed at locations horizontally symmetrical with respect to an installation location of said drive unit for sensing a phase difference proportional to a Coriolis force, said meter comprising;

said two flow tubes which are connected to the entry-side manifold and the exit-side manifold at the joint ends respectively, being formed into the arch shape that is bent in only one direction; and

said entry-side and exit-side manifolds being connected to said flow tubes at said joint ends at a predetermined rise angle in a same direction as said flow tubes;

wherein a change of flow paths from the two flow tubes to external piping is addressed by flow paths in the manifolds being smoothly bent from an inlet of said entry-side manifold and an outlet of said exit-side manifold to the joint ends connecting to said two flow tubes.

Please amend Claim 3 as follows:

---

3. (Amended) A Coriolis mass flow meter as set forth in claim 1 wherein:

a pressure-resistant case is arranged around said two flow tubes;

said entry-side and exit-side manifolds have a pair of integrally formed disc-shaped flanges, to which both ends of said pressure-resistant case are fixedly fitted;

the cross-sectional shape of said pressure-resistant case being an oval shape with the major axis oriented in the curved direction of said flow tubes, with the length of said major axis smoothly and gradually reduced from the axial central part thereof to both ends thereof

A2 Cont.

into a substantially circular shape over a predetermined length near both ends.

Please add the following new claims.

5. (New) A Coriolis mass flow meter comprising:

two flow tubes each having a curve and each flow tube having first and second joint ends, each curve of said flow tubes lying in a respective plane, said planes of said curves of said flow tubes being arranged substantially parallel, said each curve being in only one direction and forming an arch extending fully from a respective said first joint end to a respective second joint end;

A3

an entry-side manifold with an inlet port and two outlet ports, said two outlet ports being connected to said first joint ends of said two flow tubes and dividing an entry passage from said inlet port into said two flow tubes, said entry passages having a smooth curve from said inlet port to said outlet ports, an axial direction of said entry passage at said outlet ports being in a substantially same direction as an axial direction of a respective said flow tube at said respective first joint end of said respective flow tube;

an exit-side manifold with an outlet port and two inlet ports, said inlet ports being connected to said second joint ends of said two flow tubes and joining exit passages from said inlet ports to said outlet port, each of said exit passages having a smooth curve from respective said inlet ports to said outlet port, an axial direction of said exit passages at said inlet ports being in a substantially same direction as an axial direction of a respective said flow tube at said respective second joint end of said respective flow tube;

a drive unit for driving and resonating one of said flow tubes with respect to another of said flow tubes at mutually opposite phases;

a pair of oscillation sensors installed at locations symmetrical with respect to said drive unit for sensing a phase difference proportional to a Coriolis force of fluid in said two flow tubes.

A3 cont.

6. (New) A meter in accordance with claim 5, wherein:

said axial directions of said first joint ends is non-parallel with said axial directions of said second joint ends.

7. (New) A meter in accordance with claim 5, wherein:

said axial directions of said first joint ends is angularly spaced from said axial directions of said second joint ends.

8. (New) A meter in accordance with claim 5, further comprising:

a sealed pressure case surrounding said two flow tubes, said pressure case having a cylindrical shape with ends of said cylindrical shape closed by end plates and forming corners with said cylindrical shape, said entry and exit manifolds being arranged in said corners of said case.

9. (New) A meter in accordance with claim 8, wherein:

said end plates are flanges of said entry and exit manifolds;

a radial cross section of said pressure case has an oval shape with a major axis of said oval shape being oriented in a curved direction of said flow tubes, a length of said major axis being a maximum at a central portion of said pressure case and diminishing toward said ends of said cylindrical shape to have said cross section of said pressure case change to a substantially circular shape at said ends of said cylindrical shape.

A3 cont.

10. (New) A meter in accordance with claim 8, further comprising:

a first temperature sensor arranged on said pressure case and measurable of temperatures effecting a distance between said joint ends of said flow tubes;

a second temperature sensor arranged on one of said flow tubes and said manifolds, said second temperature sensor being measurable of temperatures effecting rigidity of said flow tubes.

11. (New) A meter in accordance with claim 5, wherein:

said each curve is continuous from said first joint end to said second joint end.

REMARKS

Claims 1 - 11 are in this application and are presented for consideration. Claims 1 and 3 have been amended, and new claims 5 - 11 have been added. The drawings and claims have been amended to improve the style of the application.